

AMENDMENTS TO THE CLAIMS:

Claims 1-3 (canceled)

Claim 4 (currently amended): ~~The system of claim 1 A system for spectrometry comprising:~~

an input device for allowing a user to input target wavelengths at which spectrometric measurements are carried out, character arrays representing variables assigned to measured values, and character arrays representing calculation formulas created according to specified rules;

a measuring device for spectrometrically measuring a sample with a spectrophotometer to thereby obtain measured values at said target wavelengths;

a calculating device for analyzing the character arrays representing said calculating formulas and carrying out calculations of said calculating formulas by replacing any of the character arrays representing said variable, if contained in said calculating formulas, each by corresponding one of said measured values; and

an output device for outputting results of said calculations;

wherein said input device further allows the user to input character arrays representing said measured values and a character array representing a judgment formula which includes the character arrays representing said measured values, wherein said calculating device further obtains a judgment result by using said judgment formula by replacing any of the character arrays representing said measured values, if contained in said judgment formula, each by corresponding one of said measured values, and wherein said output device further outputs said judgment result.

Claim 5 (original): The system of claim 4 wherein said judgment formula further includes logical operations.

Claim 6 (canceled)